



enlighten

DATA CENTER - PROJECT CARDINAL SITE

CLIENT NAME:

Margulies Hoelzli Architecture

PROJECT NAME:

Date: 7/1/2025

DRAWN BY:

Josh Burge

josh.burge@pg-enlighten.com

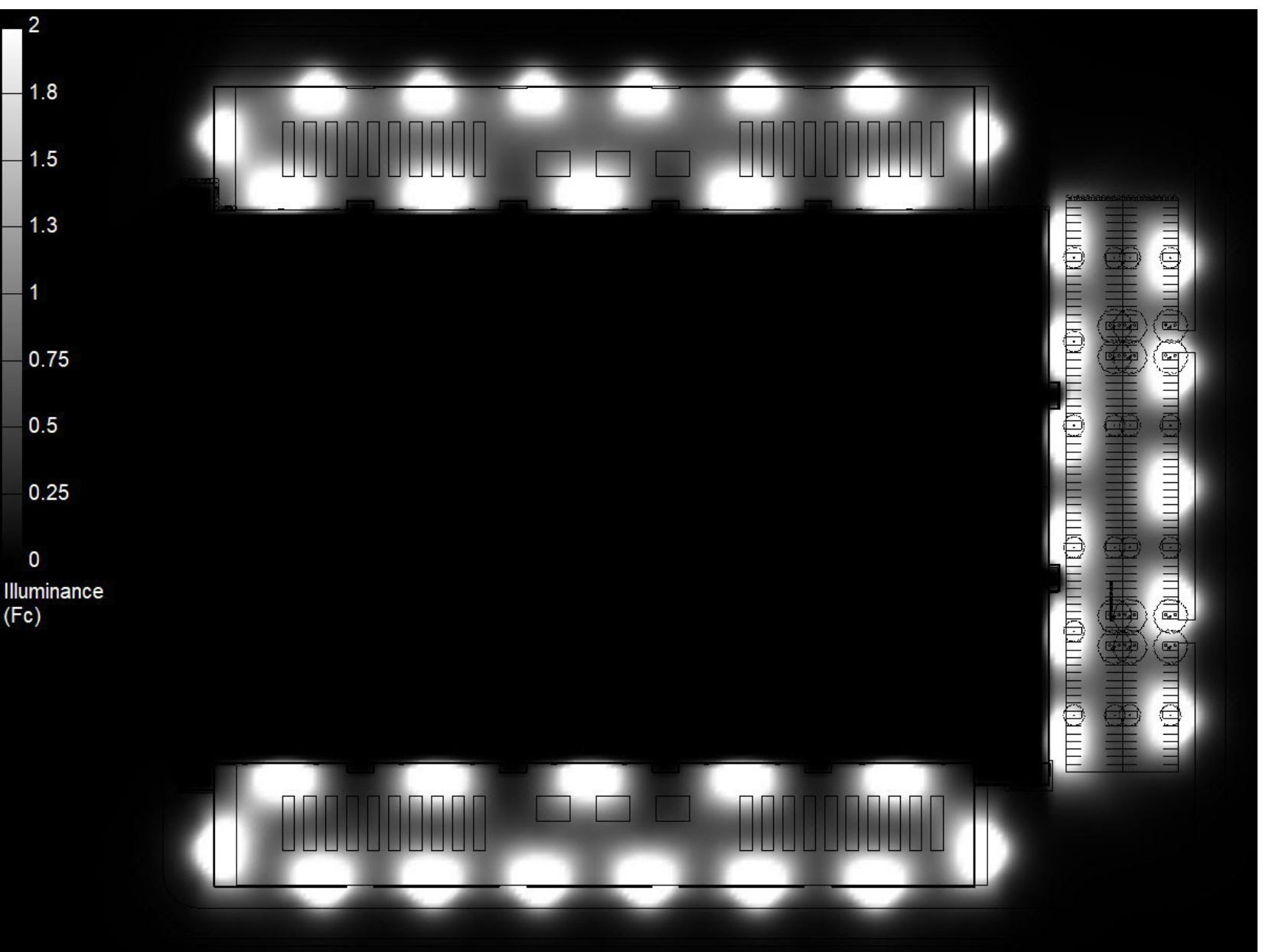
847.228.1199

PG CONTACT:

Lisa Bernacchi

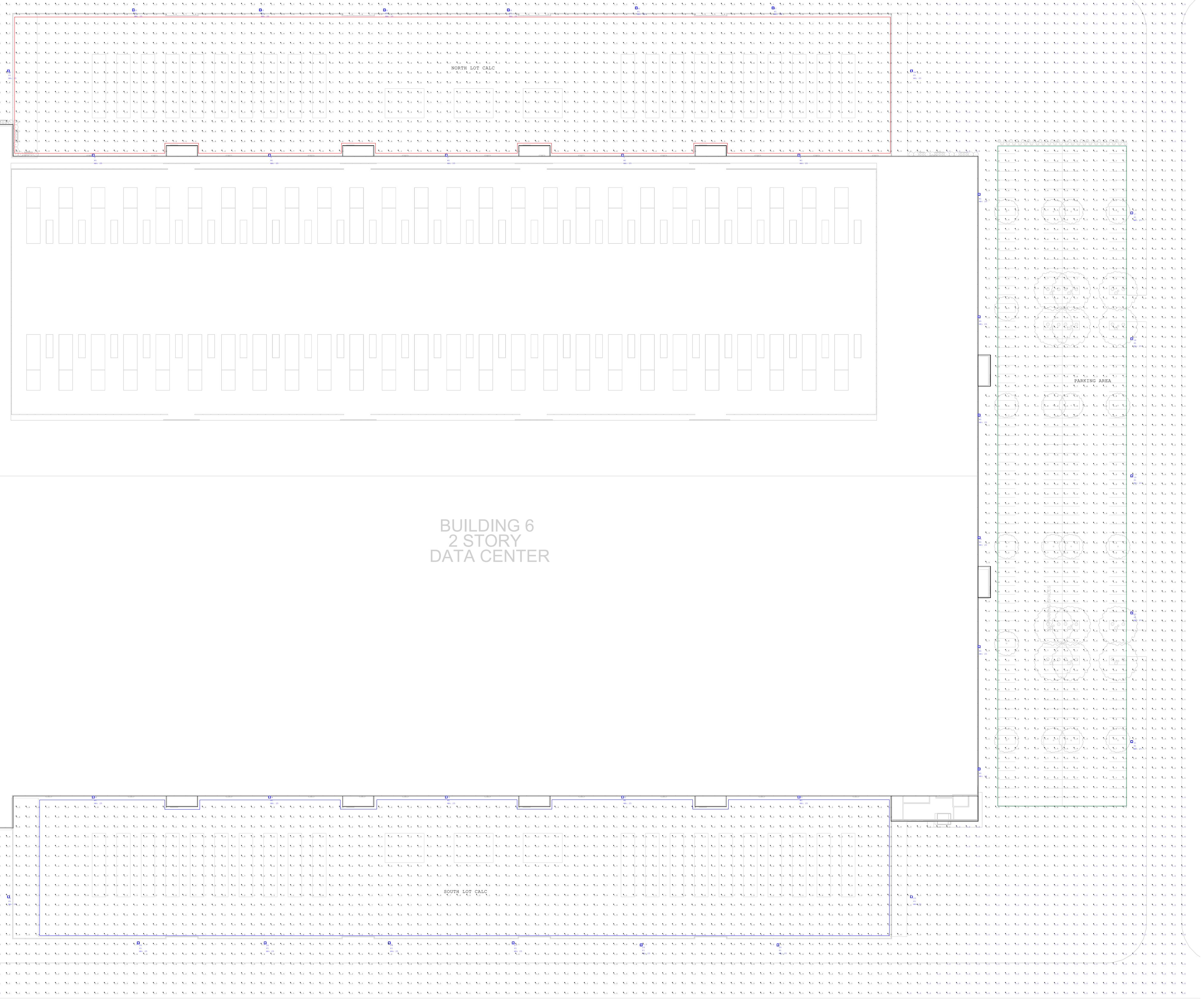
lisa.bernacchi@pg-enlighten.com

708.205.6182



LumNo	Label	Mtg Ht
1	VAM-21L-U-40-T4	25
2	VAM-21L-U-40-T4	25
3	VAM-21L-U-40-T4	25
4	VAM-21L-U-40-T4	25
5	VAM-21L-U-40-T4	25
6	VAM-21L-U-40-T4	25
7	VAM-21L-U-40-T4	25
8	VAM-21L-U-40-T4	25
9	VAM-21L-U-40-T4	25
10	VAM-21L-U-40-T4	25
11	VAM-21L-U-40-T4	25
12	VAM-21L-U-40-T4	25
13	VAM-21L-U-40-T4	25
14	VAM-21L-U-40-T4	25
15	VAM-21L-U-40-T4	25
16	VAM-21L-U-40-T4	25
17	VAM-21L-U-40-T4_1	25
18	VAM-21L-U-40-T4_1	25
19	VAM-21L-U-40-T4_1	25
20	VAM-21L-U-40-T4_1	25
21	VAM-21L-U-40-T4_1	25
22	VAM-21L-U-40-T4_1	25
23	VAM-21L-U-40-T4_1	25
24	VAM-21L-U-40-T4_1	25
25	VAM-21L-U-40-T4_1	25
26	VAM-21L-U-40-T4_1	25
27	VAM-21L-U-40-T4_1	25
28	VAM-21L-U-40-T4_1	25
29	VAM-21L-U-40-T4_1	25
30	VAM-21L-U-40-T4_1	25
31	VAM-21L-U-40-T4_1	25
32	VAM-21L-U-40-T4_1	25
33	VAM-21L-U-40-T4_1	25
34	VAM-21L-U-40-T4_1	25
35	VAM-21L-U-40-T4_1	25
36	VAM-21L-U-40-T4_1	25
37	VAM-21L-U-40-T4_1	25

BUILDING 6 2 STORY DATA CENTER



NOTES

PG-ENLIGHTEN IS NEITHER LICENSED NOR INSURED TO DETERMINE CODE COMPLIANCE.
CODE COMPLIANCE REVIEW BY OTHERS.
ANY VARIANCE FROM REFLECTANCE VALUES, OBSTRUCTIONS, LIGHT LOSS FACTORS OR
DIMENSIONAL DATA WILL AFFECT THE ACTUAL LIGHT LEVELS OBTAINED.
THIS ANALYSIS IS A MATHEMATICAL MODEL AND CAN BE ONLY AS ACCURATE AS IS
PERMITTED BY THE THIRD-PARTY SOFTWARE AND THE IES STANDARDS USED.
Fixture types and quantities may change based on unknown obstructions or
field conditions, these changes may result in an increased quantity of fixtures.
Fixture types and quantities based on provided layout and drawings are for
reference only. Types and quantities may change with future revisions.
Calculation grid values 10'-0" O.C.

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Max/Min	Avg/Min
FULL AREA_FULL AREA	Illuminance	Fc	0.96	7.4	0.0	N.A.	N.A.
NORTH LOT CALC	Illuminance	Fc	1.43	7.4	0.4	18.50	3.58
PARKING AREA	Illuminance	Fc	1.38	6.2	0.3	20.67	4.60
SOUTH LOT CALC	Illuminance	Fc	1.40	6.8	0.1	68.00	14.00

Luminaires Schedule - Part numbers are provided by the manufacturer and are only intended to be used as a reference to output and optics used.

Symbol	Qty	Tag	Manufacturer	Description	Arrangement	Luminaire Lumens	Luminaire Watts	LLF
□	21	P1	Industrial Lighting Products Inc	VAM-21L-U-40-T4-[PMB;SLPF]	Single	23204	194.57	0.900
□	16	W1	Industrial Lighting Products Inc	VAM-21L-U-40-T4-[PMB;SLPF]	Single	23204	194.57	0.900



enlighten

DATA CENTER - PROJECT CARDINAL SITE

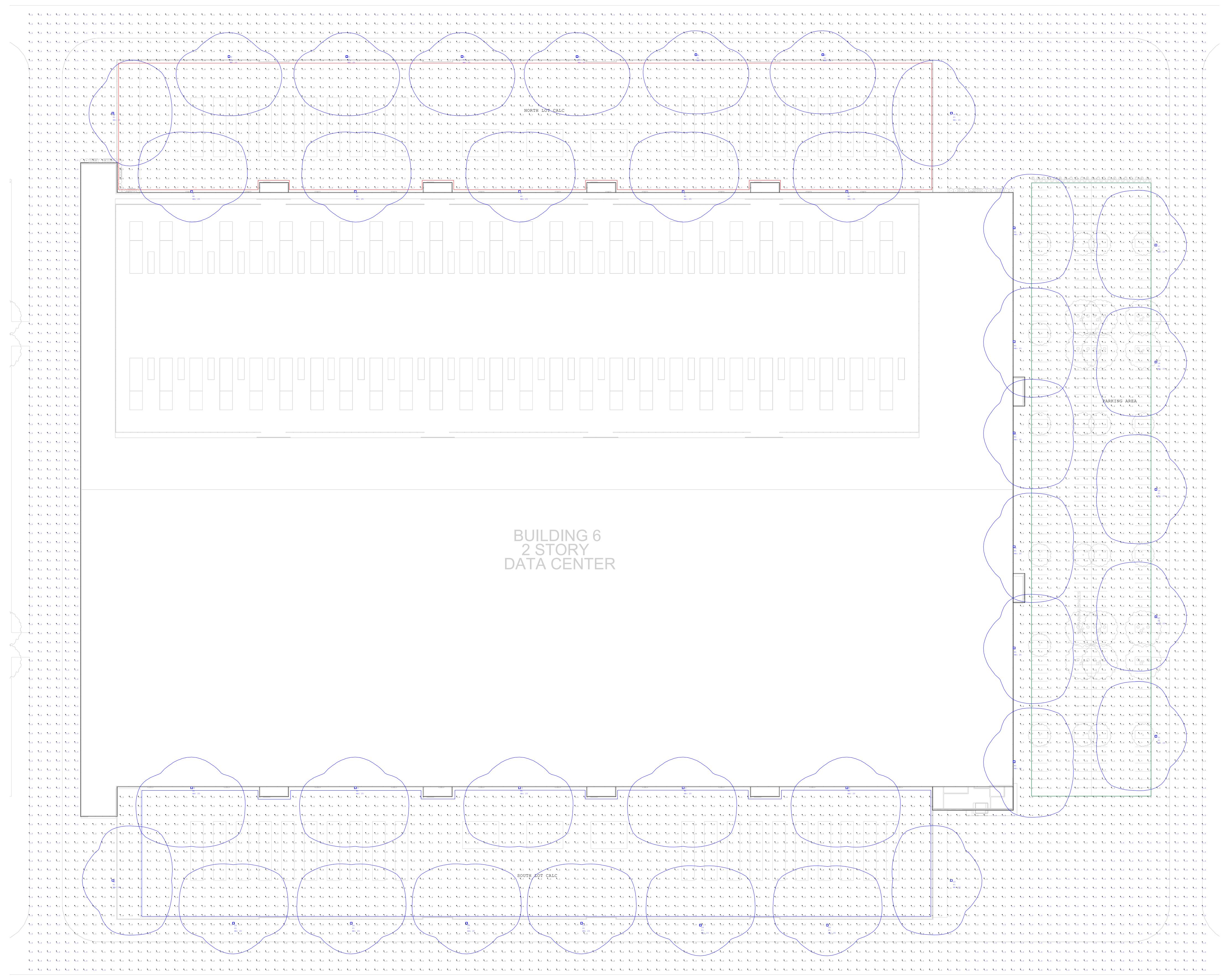
CLIENT NAME:

Margulies Hoelzli Architecture

PROJECT NAME:

Date: 7/1/2025

Page 2 of 2



NOTES

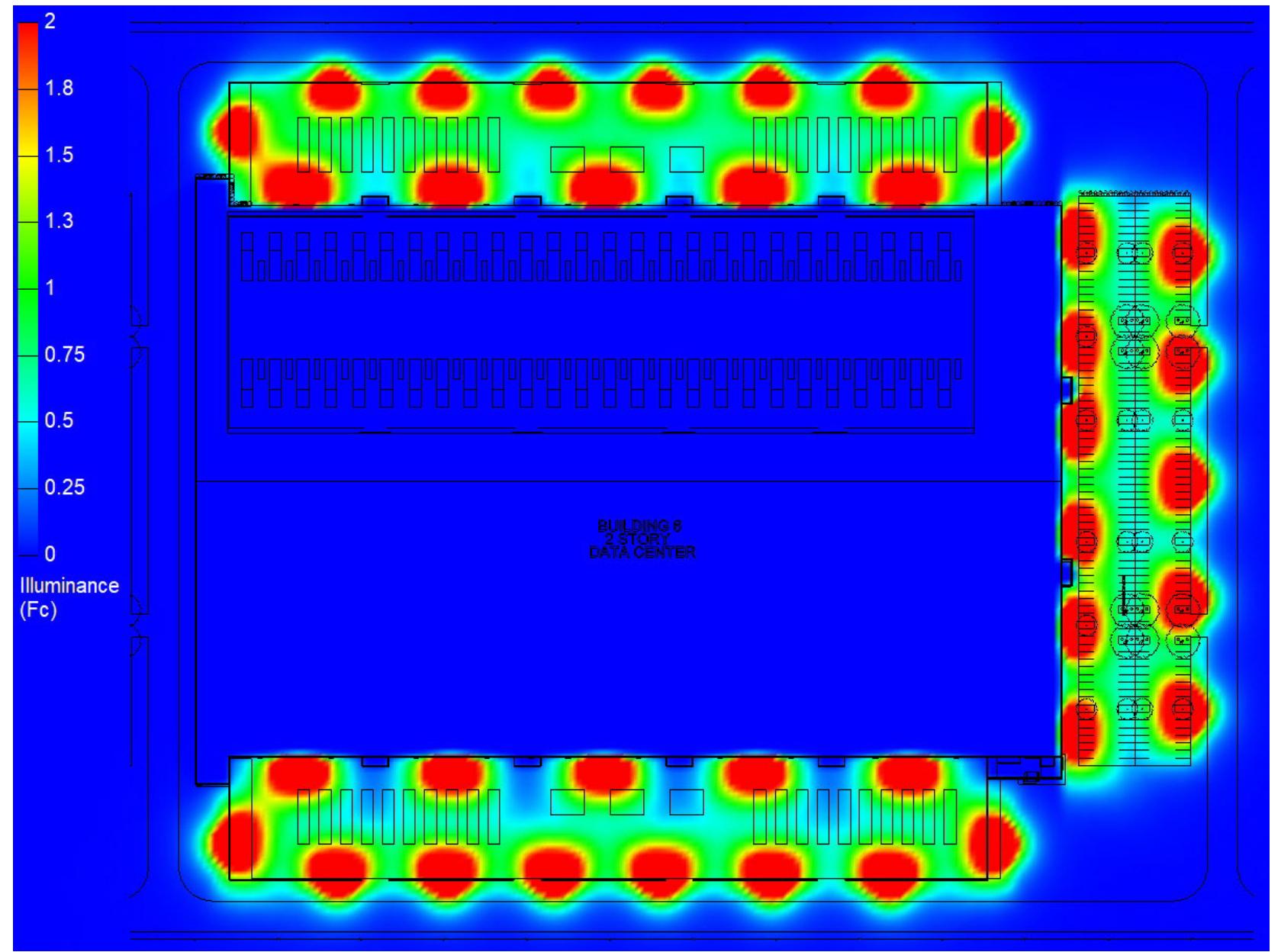
PG-ENLIGHTEN IS NEITHER LICENSED NOR INSURED TO DETERMINE CODE COMPLIANCE.
CODE COMPLIANCE REVIEW BY OTHERS.
ANY VARIANCE FROM REFLECTANCE VALUES, OBSTRUCTIONS, LIGHT LOSS FACTORS OR
DIMENSIONAL DATA WILL AFFECT THE ACTUAL LIGHT LEVELS OBTAINED.
THIS ANALYSIS IS A MATHEMATICAL MODEL AND CAN BE ONLY AS ACCURATE AS IS
PERMITTED BY THE THIRD-PARTY SOFTWARE AND THE IES STANDARDS USED.
Fixture types and quantities may change based on unknown obstructions or
field conditions. These changes may result in an increased quantity of fixtures.
Fixture types and quantities based on provided layout and drawings are for
reference only. Types and quantities may change with future revisions.
CALCULATION GRID VALUES 10'-0" O.C.

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Max/Min	Avg/Min
FULL AREA, FULL AREA	Illuminance	Fc	0.96	7.4	0.0	N.A.	N.A.
NORTH LOT CALC	Illuminance	Fc	1.43	7.4	0.4	18.50	3.58
PARKING AREA	Illuminance	Fc	1.38	6.2	0.3	20.67	4.60
SOUTH LOT CALC	Illuminance	Fc	1.40	6.8	0.1	68.00	14.00

Luminaire Schedule - Part numbers are provided by the manufacturer and are only intended to be used as a reference to output and optics used.

Symbol	Qty	Tag	Manufacturer	Description	Arrangement	Luminaire Lumens	Luminaire Watts	LLF
□	21	P1	Industrial Lighting Products Inc	VAM-21L-U-40-T4-[PMB;SLPF]	Single	23204	194.57	0.900
□	16	W1	Industrial Lighting Products Inc	VAM-21L-U-40-T4-[PMB;SLPF]	Single	23204	194.57	0.900



Luminaire Location Summary

LumNo	Label	Mtg Ht
1	VAM-21L-U-40-T4	25
2	VAM-21L-U-40-T4	25
3	VAM-21L-U-40-T4	25
4	VAM-21L-U-40-T4	25
5	VAM-21L-U-40-T4	25
6	VAM-21L-U-40-T4	25
7	VAM-21L-U-40-T4	25
8	VAM-21L-U-40-T4	25
9	VAM-21L-U-40-T4	25
10	VAM-21L-U-40-T4	25
11	VAM-21L-U-40-T4	25
12	VAM-21L-U-40-T4	25
13	VAM-21L-U-40-T4	25
14	VAM-21L-U-40-T4	25
15	VAM-21L-U-40-T4	25
16	VAM-21L-U-40-T4	25
17	VAM-21L-U-40-T4_1	25
18	VAM-21L-U-40-T4_1	25
19	VAM-21L-U-40-T4_1	25
20	VAM-21L-U-40-T4_1	25
21	VAM-21L-U-40-T4_1	25
22	VAM-21L-U-40-T4_1	25
23	VAM-21L-U-40-T4_1	25
24	VAM-21L-U-40-T4_1	25
25	VAM-21L-U-40-T4_1	25
26	VAM-21L-U-40-T4_1	25
27	VAM-21L-U-40-T4_1	25
28	VAM-21L-U-40-T4_1	25
29	VAM-21L-U-40-T4_1	25
30	VAM-21L-U-40-T4_1	25
31	VAM-21L-U-40-T4_1	25
32	VAM-21L-U-40-T4_1	25
33	VAM-21L-U-40-T4_1	25
34	VAM-21L-U-40-T4_1	25
35	VAM-21L-U-40-T4_1	25
36	VAM-21L-U-40-T4_1	25
37	VAM-21L-U-40-T4_1	25

DRAWN BY: Josh Burge josh.burge@pg-enlighten.com 847.228.1199	PG CONTACT: Lisa Bernacchi lisa.bernacchi@pg-enlighten.com 708.205.6182
--	--